DERWENT-ACC-NO: 1984-237785

DERWENT-WEEK: 198439

TITLE: Quantitative characterisation of polymerisation course - by experimentally ultrasonic velocity during polymerisation in function of concn. and temp. gradient

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BASIC-ABSTRACT:

Quantitative values are obtd. instantly w.r.t. monomer conversion, monomer concn., polymer concn., reaction velocity and stabiliser incorporation, from the experimentally determined ultrasonic velocity c during polymerisation, by equation: c = cDM/JM + sigma k(delta c/delta k) cDM/DL = ultrasonic velocity of the dispersant or solvent, k = concn. of the reactants, delta c/delta k = ultrasonic velocity-concn. coefft. of the reactants.

USE/ADVANTAGE - The measuring signal is digital and the process can be used for controlling and improving polymerisation. The process can be applied wherever it is possible to determine the effects of the partial components on the total acoustic behaviour.

CHOSEN-DRAWING: Dwg.0/4

TITLE-TERMS: QUANTITATIVE CHARACTERISTIC POLYMERISE COURSE EXPERIMENT
ULTRASONIC VELOCITY POLYMERISE FUNCTION CONCENTRATE TEMPERATURE
GRADIENT

DERWENT-CLASS: A18 S03

CPI-CODES: A09-C; A10-B03; A10-B04;

EPI-CODES: S03-E08X; S03-E14D7;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0270U; 1081U ; 1737U ; 5153U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0007 0008 0037 0206 0046 0230 0787 2028 2029 2066 2076 2082 2083 2093 2276 2279 2318 2411
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